Minutes from KPAO Galactic telecon - 03/06/06

Hello all -

Here are the minutes from the NGAO Galactic subgroup telecon two weeks ago. sorry for the delay in sending these out. Please be sure to take a look at the action items (some of which have already been completed).

aloha
Mike

Telecon of KPAO Galactic subgroup: 03/06/06

present: Hillenbrand, Greene, Weinberg, Lu, Liu, Ghez, Metchev
absent: Macintosh

>>>> ACTION ITEMS <<<<

Ghez/Lu: examine the current PSF simulations to see if they are suitable
(ftp://ftp.keck.hawaii.edu/outgoing/kpao, see the README files)

Weinberg: send additional to G.C. text on radial velocity requirements

Liu: send feedback to Dekany/Wizinowich on Science Instruments

Hillenbrand: talk with Judy Cohen about globular cluster science

Hillenbrand/Greene: send protostar case.

Agenda

- Simulations
  review priorities for PSF simulations to be delivered to us
  Galactic Center simulation plans
  other science simulations?

- Summary of science instrument options (see Dekany's spreadsheet)
  what do we want/need
  what's missing

- Upcoming CfAO retreat workshop
  feedback on proposed agenda
  preparation for workshop

Simulations: Galactic Center

Weinberg: provide list of (x,y,t)
Ghez/Lu: generate star field & measure results
"will do this once"
H & K-band: dynamics
Lprime: would not be so useful for dynamics case
good for photometric case, but will not pursue
Lu: will be attending CfAO workshop

Science Instruments
Metchev: need wider field system (isoplanatic patch size) than Super-OSIRIS
optical camera - any other science drivers aside from debris disks?
Liu: optical polarimeter for debris disks?
Ghez: accretion flow could be studied in polarized light
could establish if it's synchrotron radiation
K-band polarimetry
Hillenbrand, Ghez: super-NIRSPEC
rotating jets from young stars
dynamics of Galactic Center
spatially resolved spectroscopy of disks (e.g. CO)
binaries
Super-OSIRIS
disks around young stars
scattered light imaging - where do the jets launch
Galactic Center
need RVs for R0 measurement, not for GR stuff
Nevin's figure 2 - assumes 10 km/s (RMS)
need to disentangle the gas emission
--> Weinberg: to send text update on RV/instrument requirements
Metchev: interaction with interferometer?

Other possible science topics
globular clusters? (possible link w/resolved stellar pop study?)
microlensing? (possible link w/strong lensing study?)
fast reponse to known event
--> Hillenbrand: talk to Judy Cohen

CfAO workshop
Metchev, Lu - yes
Weinberg, Ghez, Greene - no
Hillenbrand - maybe